

WANT TO ADVANCE YOUR CAREER AND LEARN MARKETABLE NEW RESEARCH SKILLS?

Explore what the **Population Health Data Analysis Certificate (PHDA)** can do for you!

Designed for those who work in health or social sciences fields, this program provides an excellent opportunity to revitalize your current career, earn professional development credits* or get started in a rapidly diversifying field. This unique program offers:

- A flexible, fully online format
- A diverse set of analytic courses
- *Applied Pro D training

Apply now for the Professional Specialization Certificate in Population Health Data Analysis or take up to two stand-alone courses for professional development. The next PHDA course starts May 2019, see details below.

Looking to increase your longitudinal analysis and multi-level modeling skills for population health research?

[PHDA 05 Longitudinal Analysis and Multi-Level Modeling of Population Health Data](#) will provide students with an introduction to and hands-on experience specifying multi-level modeling and longitudinal analysis. Students will gain an understanding of different types of approaches including time varying and invariant predictors and multivariate and multi-population models with different outcomes. The course will also deal with missing data and errors in measurement and measurement misclassification.

After completing Longitudinal Analysis and Multi-Level Modeling of Population Health Data, you should be able to:

1. Identify different analytical approaches to longitudinal data analysis and specify their strengths and limitations
2. Use Mplus and SAS statistical modeling programs to perform longitudinal data analyses in population health research
3. Develop and practice longitudinal model specification, estimation, evaluation, and modification skills
4. Interpret and evaluate findings
5. Apply analytic skills using 'real-world' data via a remotely accessed Secure Research Training Lab

Read what PHDA students have to say about their learning experience

These fully online, non-credit courses are offered as a partnership between Population Data BC, the University of Victoria, Division of Continuing Studies and the Department of Geography.

Registration is open until April 19, 2019, subject to availability. Please review program eligibility requirements prior to applying.

For more information and to apply contact:

Nancy Aubut, Program Coordinator,
UVic Continuing Studies
Phone: 250-721-8779 | phda@uvic.ca



**University
of Victoria**

Continuing
Studies

